

PTO/SB/21 (09-04)  
JUL 29 2005  
PATENT & TRADEMARK

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 10/760,037  
Filing Date 01/15/2004  
First Named Inventor Livingston  
Art Unit 2821  
Examiner Name Vu, Jimmy T.  
Attorney Docket Number PD-03W006

## ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): - postcard
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Remarks  
If there are any debits or credits, please apply to Raytheon deposite account 50-0616.

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Raytheon Company		
Signature			
Printed name	Leonard A. Alkov		
Date	07/27/2005	Reg. No.	30,021

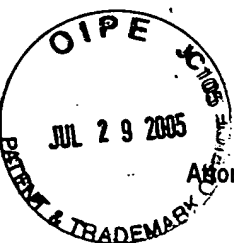
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Signature			
Typed or printed name	Elaine Panousis	Date	07/27/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney's Docket No. PD-03W006

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Date:  
Livingston et al  
Serial No. 10/760,037  
Filed: 01/15/2004  
For: ANTENNA ARRAYS USING LONG SLOT  
APERTURES AND BALANCED FEEDS

Art Unit: 2821  
Examiner: Vu, Jimmy T.  
Date: 27 July 2005

### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Under his duty of disclosure under Rule 35 U.S.C. Section 1.56 the Applicant respectfully submits to the United States Patent and Trademark Office a copy of art cited during a European Patent Search for pending PCT Application No. PCT/US2005/003801. The art was received by Applicant's representative and certifies that it is being submitted to the United States Patent and Trademark Office for the Examiner's consideration and review within three months of that date.

Applicant attests that this search was brought to Applicant's attention less than three (3) months ago. Therefore, no fee is submitted at this time. However, if any fee is required for the processing of this PTO/SB/08A and Information Disclosure Statement, Applicant authorizes the charge against assignee's Deposit Account No. 50-0616.

The art cited from the European search includes two (2) of these references to be of relevance to the present invention when taken into combination with other art.

We include with this Information Disclosure Statement a properly prepared PTO PTO/SB/08A and a copy of the cited references.

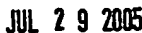
Do not hesitate to contact the undersigned with your questions regarding this information.

Registration No. 30,021

  
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Substitute for form 1449/PTO

**(Use as many sheets as necessary)**

Sheet	1	of	2
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**Complete if Known**

Application Number	10/760,037
Filing Date	01/15/2004
First Named Inventor	Livingston
Art Unit	2821
Examiner Name	Vu, Jimmy T.
Attorney Docket Number	PD-03W006

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

**Complete if Known**

Application Number	10/760,037
Filing Date	01/15/2004
First Named Inventor	Livingston
Art Unit	2821
Examiner Name	Vu, Jimmy T.
Attorney Docket Number	PD-03W006

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Lee, J.J., et al, "Wideband Long Slot Array Antennas," IEEE Antennas and Propagation Society International Symposium, 2003 Digest. APS., Columbus, OH, June 22-27, 2003, New York, NY: IEEE, US, vol. 4 of 4, pp. 452-455, XP010649837, ISBN: 0-7803-7846	
		EP 1 267 448 A (Raytheon Company), 18 December 2002. Abstract; figures 1-5	

Examiner  
SignatureDate  
Considered

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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